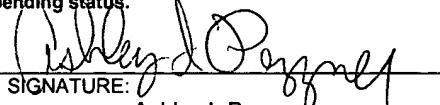


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|  |   |   |
|--|---|---|
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br><b>12810-00113-US</b><br><small>US. APPLICATION NUMBER, if known (see 37 CFR 1.5)</small><br><b>107542003</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2004/000237</b>  | INTERNATIONAL FILING DATE<br><b>15 January 2004</b> | PRIORITY DATE CLAIMED<br><b>22 January 2003</b>   |
| TITLE OF INVENTION <b>3-METHYLAMINO-1-(2-THIENYL)-1-PROPANONE, PRODUCTION AND USE THEREOF</b>  |   |   |
| APPLICANT(S) FOR DO/EO/US <b>Rainer Stürmer</b>  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> |   |   |
| Items 11 to 20 below concern document(s) or information included:  |   |   |
| <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Form PCT/IPEA/409, Certificate of Express Mail, Postcard</p>  |   |   |

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|  |              |   |              |  |              |
|--|--------------|---|--------------|--|--------------|
| U.S. APPLICATION NO. (if known) 10/542003  |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/000237                            |              | ATTORNEY'S DOCKET NUMBER<br>12810-00113-US |              |
| The following fees have been submitted   |              |   |              | CALCULATIONS                               | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee ..... \$300   |              |   |              | \$ 300.00                                  |              |
| 22. <input checked="" type="checkbox"/> Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$100<br>All other situations ..... \$200  |              |   |              |  |              |
| 23. <input checked="" type="checkbox"/> Search fee<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100<br>International Search Report prepared and provided to the Office ..... \$400<br>All other situations ..... \$500 |              |   |              | \$ 200.00                                  |              |
| <b>TOTAL OF 21, 22 and 23 =</b>  |              |   |              | \$ 900.00                                  |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |              |  |              |
| Total Sheets   | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE         |  |              |
| 7 - 100 =  | /50 =        |   | x \$250.00   |  |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).  |              |   |              | \$   |              |
| CLAIMS   |              | NUMBER FILED  | NUMBER EXTRA | RATE                                       |              |
| Total claims   |              | 6 - 20 =  |              | x  | \$ 0.00      |
| Independent claims   |              | 3 - 3 =   |              | x  | \$           |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable)  |              |   | +            | \$   |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |              | \$ 900.00                                  |              |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.   |              |   |              | \$   |              |
| <b>SUBTOTAL =</b>  |              |   |              | \$ 900.00                                  |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).   |              |   |              | \$   |              |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |              | \$ 900.00                                  |              |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |              | \$   |              |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |              | \$ 900.00                                  |              |
|  |              |   |              | Amount to be refunded:                     | \$           |
|  |              |   |              | Amount to be charged:                      | \$           |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.   |              |   |              |  |              |
| b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 03-2775 in the amount of \$ 900.00 to cover the above fees. A duplicate copy of this sheet is enclosed.  |              |   |              |  |              |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-2775. A duplicate copy of this sheet is enclosed.  |              |   |              |  |              |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.   |              |   |              |  |              |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.  |              |   |              |  |              |
| SEND ALL CORRESPONDENCE TO:<br><br><br>SIGNATURE: Ashley I. Pezzner  |              |   |              |  |              |
| NAME _____   |              |   |              |  |              |
| CUSTOMER NUMBER: 23416 35,646<br>REGISTRATION NUMBER _____   |              |   |              |  |              |

JC20 Rec'd PCT/PTO 12 JUL 2005

PTO/SB/17 (12-04v2)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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|--|--|---|--|
| <p style="text-align: center;"><b>Effective on 12/08/2004.</b><br/><b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b></p> <p style="text-align: center;"><b>FEE TRANSMITTAL</b><br/><b>For FY 2005</b></p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> |  | <p style="text-align: right;">Computer if known<br/><b>JNU 542 003</b></p> <p>Application Number<br/>Not Yet Assigned</p> <p>Filing Date<br/>Concurrently Herewith</p> <p>First Named Inventor<br/>Rainer Stürmer</p> <p>Examiner Name<br/>Not Yet Assigned</p> <p>Art Unit<br/>N/A</p> |  |
| <b>TOTAL AMOUNT OF PAYMENT</b> (\$ 900.00)   |  | Attorney Docket No. 12810-00113-US  |  |

|  |  |  |   |  |  |
|--|--|--|---|--|--|
| <b>METHOD OF PAYMENT</b> (check all that apply)  |  |  |   |  |  |
| <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____ |  |  |   |  |  |
| <input checked="" type="checkbox"/> Deposit Account    Deposit Account Number: <u>03-2775</u> Deposit Account Name: <u>Connolly Bove Lodge &amp; Hutz LLP</u>                                  |  |  |   |  |  |
| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)   |  |  |   |  |  |
| <input checked="" type="checkbox"/> Charge fee(s) indicated below  |  |  | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |  |  |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17  |  |  | <input checked="" type="checkbox"/> Credit any overpayments                       |  |  |

|   |                     |   |                                |                                  |                         |                     |                       |
|---|---------------------|---|--------------------------------|----------------------------------|-------------------------|---------------------|-----------------------|
| <b>FEE CALCULATION</b>  |                     |   |                                |                                  |                         |                     |                       |
| <b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>  |                     |   |                                |                                  |                         |                     |                       |
| <b>Application Type</b>   | <b>FILING FEES</b>  |   | <b>SEARCH FEES</b>             |                                  | <b>EXAMINATION FEES</b> |                     |                       |
|   | <b>Fee (\$)</b>     | <b>Small Entity</b>                                     | <b>Fee (\$)</b>                | <b>Small Entity</b>              | <b>Fee (\$)</b>         | <b>Small Entity</b> | <b>Fees Paid (\$)</b> |
| Utility   | 300                 | 150   | 500                            | 250                              | 200                     | 100                 | 900.00                |
| Design  | 200                 | 100   | 100                            | 50                               | 130                     | 65                  |                       |
| Plant   | 200                 | 100   | 300                            | 150                              | 160                     | 80                  |                       |
| Reissue   | 300                 | 150   | 500                            | 250                              | 600                     | 300                 |                       |
| Provisional   | 200                 | 100   | 0                              | 0                                | 0                       | 0                   |                       |
| <b>2. EXCESS CLAIM FEES</b>   |                     |   |                                |                                  |                         |                     |                       |
| <b>Fee Description</b>  |                     |   |                                |                                  |                         |                     |                       |
| Each claim over 20 (including Reissues) <b>Small Entity</b> <b>Fee (\$)</b> <b>Fee (\$)</b><br>50      25   |                     |   |                                |                                  |                         |                     |                       |
| Each independent claim over 3 (including Reissues) <b>Small Entity</b> <b>Fee (\$)</b> <b>Fee (\$)</b><br>200      100  |                     |   |                                |                                  |                         |                     |                       |
| Multiple dependent claims <b>Small Entity</b> <b>Fee (\$)</b> <b>Fee (\$)</b><br>360      180   |                     |   |                                |                                  |                         |                     |                       |
| <b>Total Claims</b>   | <b>Extra Claims</b> | <b>Fee (\$)</b>   | <b>Fee Paid (\$)</b>           | <b>Multiple Dependent Claims</b> |                         |                     |                       |
| 6   | - 20 =              | x   | =                              | <b>Fee (\$)</b>                  | <b>Fee Paid (\$)</b>    |                     |                       |
| <b>Indep. Claims</b>  | <b>Extra Claims</b> | <b>Fee (\$)</b>   | <b>Fee Paid (\$)</b>           |                                  |                         |                     |                       |
| 3   | - 3 =               | x   | =                              |                                  |                         |                     |                       |
| <b>3. APPLICATION SIZE FEE</b>  |                     |   |                                |                                  |                         |                     |                       |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). |                     |   |                                |                                  |                         |                     |                       |
| <b>Total Sheets</b>   | <b>Extra Sheets</b> | <b>Number of each additional 50 or fraction thereof</b> | <b>Fee (\$)</b>                | <b>Fee Paid (\$)</b>             |                         |                     |                       |
| 7   | - 100 =             | /50   | (round up to a whole number) x | =                                |                         |                     |                       |
| <b>4. OTHER FEE(S)</b>  |                     |   |                                |                                  |                         |                     |                       |
| Non-English Specification, \$130 fee (no small entity discount)   |                     |   |                                |                                  |                         |                     |                       |
| Other (e.g., late filing surcharge): 1631 Basic National Stage fee <b>Fee Paid (\$)</b><br>300.00   |                     |   |                                |                                  |                         |                     |                       |
| 1633 National Stage Examination Fee - all other ... <b>Fee Paid (\$)</b><br>200.00  |                     |   |                                |                                  |                         |                     |                       |
| 1642 National Stage Search Fee - search report ... <b>Fee Paid (\$)</b><br>400.00   |                     |   |                                |                                  |                         |                     |                       |

|                     |                          |  |                                      |         |                          |
|---------------------|--------------------------|--|--------------------------------------|---------|--------------------------|
| <b>SUBMITTED BY</b> |                          |  |                                      |         |                          |
| Signature           | <i>Ashley I. Pezzner</i> |  | Registration No.<br>(Attorney/Agent) | 35,646  | Telephone (302) 658-9141 |
| Name (Print/Type)   | Ashley I. Pezzner        |  | Date                                 | 7/12/05 |                          |

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10/542003

JC20 Rec'd PCT/PTO 12 JUL 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 12810-00113-US

## Certificate of Express Mailing Under 37 CFR 1.10

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on

*July 12, 2005*  
Date

*J. Lynn Ferry*  
Signature

J. Lynn Ferry

Typed or printed name of person signing Certificate

Registration Number, if applicable

(302) 658-9141

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office  
Fee Transmittal

Application Data Sheet

Copy of the International application with search report attached  
Form PCT/IPEA/409

English language translation of the International application

Executed Combined Declaration and Power of Attorney

Information Disclosure Statement, SB08, with references

Preliminary Amendment

Postcard

Charge \$900.00 to deposit account 03-2775